

**WEST**

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L8: Entry 7 of 8

File: DWPI

Jul 17, 1997

DERWENT-ACC-NO: 1997-372506  
DERWENT-WEEK: 199949  
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TITLE: Broad-spectrum, selective herbicidal composition especially for maize and soybeans - contains di:aza:thia-bi:cyclononane derivative and glufosinate and/or glyphosate especially used in maize or soybean crops

INVENTOR: RUEEGG, W; RUEGG, W

PRIORITY-DATA: 1996CH-0000018 (January 4, 1996)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9724930 A1	July 17, 1997	E	018	A01N043/90
<u>US 5965486 A</u>	October 12, 1999		000	A01N057/100
ZA 9700041 A	September 23, 1997		016	A01N000/00
AU 9713060 A	August 1, 1997		000	A01N043/90
EP 876100 A1	November 11, 1998	E	000	A01N043/90
CN 1207018 A	February 3, 1999		000	A01N043/90
BR 9612427 A	July 13, 1999		000	A01N043/90

INT-CL (IPC): A01 N 0/00; A01 N 43/90; A01 N 57/100; A01 N 57/20; C07 D 0/00; A01 N 43/90; A01 N 57/20; A01 N 43/90; A01 N 57/20; A01 N 43/90; A01 N 57/20

ABSTRACTED-PUB-NO: US 5965486A

## BASIC-ABSTRACT:

Herbicidal composition contains: (A) 7-oxo-9-(2-fluoro-4-chloro-5-(methoxy-carbonylmethylthio) phenylimino)-1,6-diaza-8-thiabicyclo(4.3.0)nonane of formula (I); and (B) one or more of glufosinate of formula (II) ME-P(=O)(OH)-(CH<sub>2</sub>)<sub>2</sub>-CH(NH<sub>2</sub>)-COOH, glyphosate of formula (III) HO-P(=O)(OH)-CH<sub>2</sub>-NH-CH<sub>2</sub>-COOH and their salts.

USE - Composition is used for controlling undesirable plant growth in crops specifically cereals, rape, sugar beet, sugar cane, plantations, rice, cotton, maize or soybean, especially for selective post-emergence weed control in maize or soybean crops (all claimed). The crops treated are preferably resistant to (B).

ADVANTAGE - The combination of the known herbicides (I) (see EP273417) and (II) and/or (III) is effective against broad spectrum of agriculturally important weeds (e.g. Veronica, Galium, Papaver, Solanum, Chenopodium, Amaranthus, Xanthium, Abutilon, Ambrosia, Sagittaria, Ipomoea, Cassiata, Datura stramonium, Sesbania exaltata and Sida spinosa) especially in maize or soybean. No substantial damage is caused to the crop plants.

ABSTRACTED-PUB-NO:

WO 9724930A EQUIVALENT-ABSTRACTS:

Herbicidal composition contains: (A) 7-oxo-9-(2-fluoro-4-chloro-5-(methoxy-carbonylmethylthio) phenylimino)-1,6-diaza-8-thiabicyclo(4.3.0)nonane of formula (I); and (B) one or more of glufosinate of formula (II) ME-P(=O)(OH)-(CH<sub>2</sub>)<sub>2</sub>-CH(NH<sub>2</sub>)-COOH, glyphosate of formula (III) HO-P(=O)(OH)-CH<sub>2</sub>-NH-CH<sub>2</sub>-COOH and their salts.

USE - Composition is used for controlling undesirable plant growth in crops

specifically cereals, rape, sugar beet, sugar cane, plantations, rice, cotton, maize or soybean, especially for selective post-emergence weed control in maize or soybean crops (all claimed). The crops treated are preferably resistant to (B).

ADVANTAGE - The combination of the known herbicides (I) (see EP273417) and (II) and/or (III) is effective against broad spectrum of agriculturally important weeds (e.g. Veronica, Galium, Papaver, Solanum, Chenopodium, Amaranthus, Xanthium, Abutilon, Ambrosia, Sagittaria, Ipomoea, Cassiadora, Datura stramonium, Sesbania exaltata and Sida spinosa) especially in maize or soybean. No substantial damage is caused to the crop plants.

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File: DWPI

Apr 18, 1989

DERWENT-ACC-NO: 1989-137761

DERWENT-WEEK: 198918

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TITLE: Herbicide contains clomazone and organo phosphorous antidote - e.g. phorate, disulfoton, terbufos, demeton or dimethoate for use on cotton corn etc.

PRIORITY-DATA: 1988US-0141016 (January 5, 1988)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 4822401 A	April 18, 1989		009	
AU 8929273 A	August 11, 1989		000	
BR 8807415 A	March 27, 1990		000	
CN 1033921 A	July 19, 1989		000	
ES 2018100 A	March 16, 1991		000	
WO 8906492 A	July 27, 1989	E	000	

INT-CL (IPC): A01N 43/80; A01N 57/04

ABSTRACTED-PUB-NO: US 4822401A

## BASIC-ABSTRACT:

Herbicidal compsn. for control in the locus of a crop comprises: (a) clomazone i.e. 2-((2-chlorophenyl)methyl) -4,4-dimethyl-3-isoxazolidinon- e; and (b) an organophosphorus cpd. of formula (I) as antidote: W1, W2 = O or S; x = 1-4; Q = SR2 or CONHR3; R, R1-3 = 1-13C alkyl; provided W1 and W2 are not both O.

USE/ADVANTAGE - Clomazone, which is known from US4405357, is a potent herbicide over a full growing season at low applicn. rates against a broad spectrum of grasses a weeds in soybeans. The addn. of (I) allows clomazone to be used in a broader range of crops and to prevent drift to adjacent fields of crops sensitive to clomazone being a problem. The combined applicn. not only safers crops against the phytotoxic effects but also combats insects and other pests to which the crops may be subject.